

EXPRESS MAIL NO.: EL 501 638 773 US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Li et al.

Group Art Unit: To be assigned

Serial No.: to be assigned

Examiner: To be assigned

Filed: Concurrently filed

Attorney Docket No.: 10882-003

For: CATALYSTS USED FOR OLEFINE  
POLYMERIZATION AND THE  
PREPARATION THEREOF

New York, NY  
May 11, 2001

PRELIMINARY AMENDMENT

Commissioner for Patents  
Washington, D.C. 20231

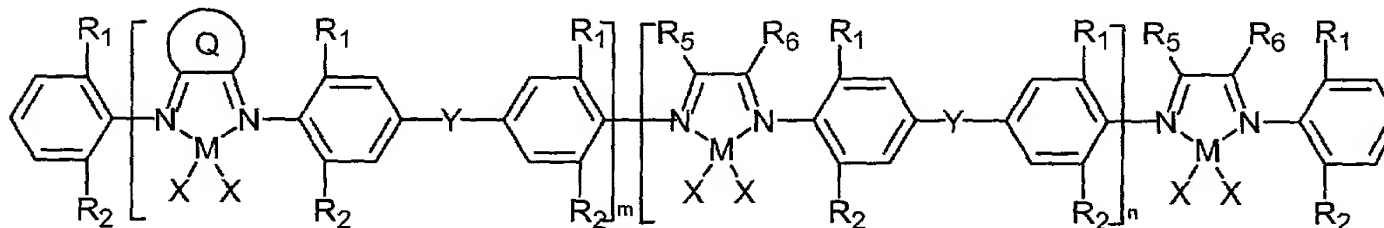
Sir:

Applicant respectfully requests entry of the following amendment and remarks in to the file of the above identified application. Marked up versions of all revised claims, showing insertions, which are underlined, and deletions, which are bracketed, are included in Appendix A. Amendments are shown in bold-face for convenience of reference.

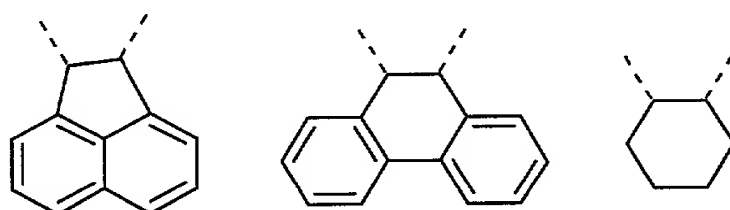
IN THE CLAIMS:

Please amend claims as follows:

1. (Once amended) A polynuclear  $\alpha$ -diimine Ni(II) complex represented by the following formula:



wherein M is Ni; X is Cl or Br; each of m and n is independently an integer from 0 to 100, respectively; R<sub>1</sub> and R<sub>2</sub> are the same or different, and are selected from the group consisting of H, methyl, ethyl, isopropyl and tert-butyl; Y is CR<sub>3</sub>R<sub>4</sub>, wherein R<sub>3</sub> and R<sub>4</sub> are the same or different, and are selected from the group consisting of H, methyl, ethyl, propyl, butyl and phenyl, or R<sub>3</sub> and R<sub>4</sub> forming a cyclic alkyl group; R<sub>5</sub> and R<sub>6</sub> are the same or different, and are selected from the group consisting of methyl, ethyl, propyl and heterocyclic group; Q is a cyclic divalent residual group of the following formula or a mixture thereof:



### **REMARKS**

Claims 1-11 are in the case. Claim 1 has been amended. No new matter is believed to be introduced.

No fee, other than that for the extension of time, is believed due for the filing of this response. Should any fees be required, however, please charge such fees to Pennie & Edmonds LLP Deposit Account No. 16-1150.

Respectfully submitted,

Date: May 11, 2001

  
Charles E. Miller

24,576

(Reg. No.)

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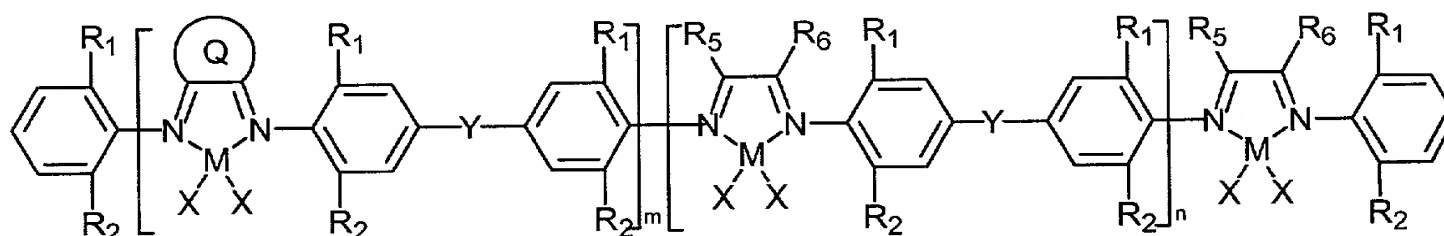
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## APPENDIX A

1. (Once amended) A polynuclear  $\alpha$ -diimine Ni(II) complex **[used as the precursor of the catalyst in polymerizing polyolefine,]** represented by the following formula:



wherein M is Ni; X is Cl or Br; **each of** m and n is independently an integer from 0 to 100, respectively; R<sub>1</sub> and R<sub>2</sub> **[is] are** the same or different, and **[is] are** selected from the group consisting of H, methyl, ethyl, isopropyl and tert-butyl; Y is CR<sub>3</sub>R<sub>4</sub>, wherein R<sub>3</sub> and R<sub>4</sub> **[is] are** the same or different, and **[is] are** selected from the group consisting of H, methyl, ethyl, propyl, butyl and phenyl, or R<sub>3</sub> and R<sub>4</sub> forming a cyclic alkyl group; R<sub>5</sub> and R<sub>6</sub> **[is] are** the same or different, and **[is] are** selected from the group consisting of methyl, ethyl, propyl and heterocyclic group; Q is a cyclic divalent residual group of the following formula or a mixture thereof:

